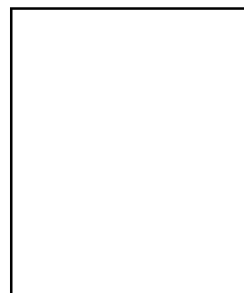


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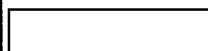
MISSION COVERAGE STATISTICS

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**KH-4 MISSION 1110-2**

**31 MAY, 1-8 JUNE 1970**



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JUNE 1970  
COPY 20  
15 PAGES  
MCS-007/70

**FOR REFERENCE**

**Do Not Take From This Room**

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Declass Review by NGA / DoD

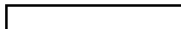
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KH-4 MISSION 1110-2 31 MAY, 1-8 JUNE 197...

1970 1 MCS DOCS

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GROUP 1: EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION



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INTRODUCTION

This publication provides preliminary coverage data, Greenwich Mean Time of passes, correlation of photographic coverage with WAC chart areas, coverage plots, and preliminary data from Mission 1110-2, dated 31 May, 1-8 June 1970 (GMT).

Plot sheets are arranged by geographic areas as indicated by the index tabs. Coverage of the Eurasian land mass is divided into days to eliminate illegible overprinting.

Plots for the forward and aft cameras are portrayed as stereoscopic and/or monoscopic passes. Stereo passes will be shown with the forward-looking camera frame numbers inside the pass outline and the corresponding aft-looking camera frame outside the pass outline. In the event of monoscopic coverage, only the frame numbers of the operative camera will appear. The relative location of photographs falling between the numbered frames may be approximated by interpolation.

All frames are indicated on the plot sheets, regardless of water coverage, total cloud cover, or a complete lack of imagery.

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## PRELIMINARY MISSION DATA

Mission Number: 1110-2

Launch Date/Time (GMT): 20 May 1970/2135Z

Photo Dates (GMT): 31 May, 1-8 June 1970

Recovery Date/Time (GMT): 8 June 1970/2230Z

Operational Photo Passes: 43

Operational Altitude Limits: 93 - 105 Nautical Miles

Photo Scale Range: 1:287,491 - 1:326,987

Operational Ground Coverage (Fwd and Aft):

- a. Linear Nautical Miles 46,944
- b. Square Nautical Miles 6,384,384

Frames:

- a. Operational

Fwd-Looking 2,955  
Aft-Looking 2,903

- b. Stellar 5,692

- c. Index 2,846

Operational Imagery Footage (Fwd and Aft): 14,535

Anomalies: Both the fwd and aft camera photography display a focus problem. The stellar and the index record are affected by severe static fogging (similar problems were experienced on Msn. 1110-1). These conditions are explained below.

Vehicle Attitude: Normal

Image Quality:

a. Main Camera - The image quality of both main camera records is less than that of an average KH-4B mission. At magnifications above 25X, most of the imagery exhibits an out-of-focus appearance. At magnifications below 25X, most objects appear distinct and clearly defined.

b. Stellar/Index Cameras - The stellar and index cameras were operational throughout the mission. The imagery from both cameras is degraded throughout by intense static fogging. This fogging is not expected to seriously hinder the usability of the stellar record; however, the fogging on the index record renders up to 50 percent of some frames unusable.

Cloud-Free Coverage: Approximately 75 percent of the entire mission is cloud-free.

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## GREENWICH MEAN TIME

These times are derived from preliminary data and cannot be verified at this time. They are carried to the nearest whole minute.

## MISSION 1110-2

PASS	DATE (Z)	CAM ON		CAM OFF	
		HR (Z)	MIN (Z)	HR (Z)	MIN (Z)
168D	31 May 1970	05	42	05	43
169D (1)	31 May 1970	07	05	07	06
169D (2)	31 May 1970	07	06	07	08
169D (3)	31 May 1970	07	12	07	14
170D (1)	31 May 1970	08	39	08	40
170D (2)	31 May 1970	08	43	08	44
171D	31 May 1970	10	14	10	15
181D	1 June 1970	00	52	00	53
183D	1 June 1970	03	51	03	53
184D	1 June 1970	05	20	05	21
185D	1 June 1970	06	50	06	51
187D	1 June 1970	09	50	09	53
196D	1 June 1970	22	57	22	58
197D	2 June 1970	00	28	00	29
200D	2 June 1970	04	50	04	53
201D	2 June 1970	06	22	06	26
202D	2 June 1970	07	51	07	53
203D (1)	2 June 1970	09	21	09	22
203D (2)	2 June 1970	09	23	09	23
203D (3)	2 June 1970	09	30	09	31
213D	3 June 1970	00	06	00	07
216D	3 June 1970	04	42	04	43
217D	3 June 1970	06	04	06	05
218D	3 June 1970	07	29	07	34
220D	3 June 1970	10	40	10	41
221D (1)	3 June 1970	12	03	12	04
221D (2)	3 June 1970	12	06	12	07
229D	3 June 1970	23	44	23	45
231D	4 June 1970	02	44	02	46
232D	4 June 1970	04	13	04	17
234D (1)	4 June 1970	07	06	07	11
234D (2)	4 June 1970	07	13	07	13
235D (1)	4 June 1970	08	36	08	37
235D (2)	4 June 1970	08	39	08	40
235D (3)	4 June 1970	08	41	08	43
236D (1)	4 June 1970	10	09	10	10
236D (2)	4 June 1970	10	19	10	20
248D (1)	5 June 1970	03	50	03	51
248D (2)	5 June 1970	03	52	03	55
250D	5 June 1970	06	47	06	49
251D	5 June 1970	08	17	08	18
252D (1)	5 June 1970	09	43	09	45
252D (2)	5 June 1970	09	50	09	50

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## MISSION 1110-2 (Continued)

PASS	DATE (Z)	CAM ON		CAM OFF	
		HR (Z)	MIN (Z)	HR (Z)	(MIN (Z)
263D (1)	6 June 1970	02	00	02	01
263D (2)	6 June 1970	02	15	02	17
266D	6 June 1970	06	26	06	28
267D (1)	6 June 1970	07	51	07	54
267D (2)	6 June 1970	07	55	07	56
268D (1)	6 June 1970	09	22	09	25
268D (2)	6 June 1970	09	28	09	30
269D	6 June 1970	10	56	10	57
273D (2)	6 June 1970	17	00	17	01
277D	6 June 1970	22	36	22	37
282D	7 June 1970	06	02	06	04
283D	7 June 1970	07	30	07	32
284D (1)	7 June 1970	08	59	09	01
284D (2)	7 June 1970	09	04	09	07
289D	7 June 1970	16	37	16	39
300D	8 June 1970	08	43	08	44

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EURASIA



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AFRICA

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SOUTH AMERICA

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